**Activated-Car Transponder Instruction Manual**

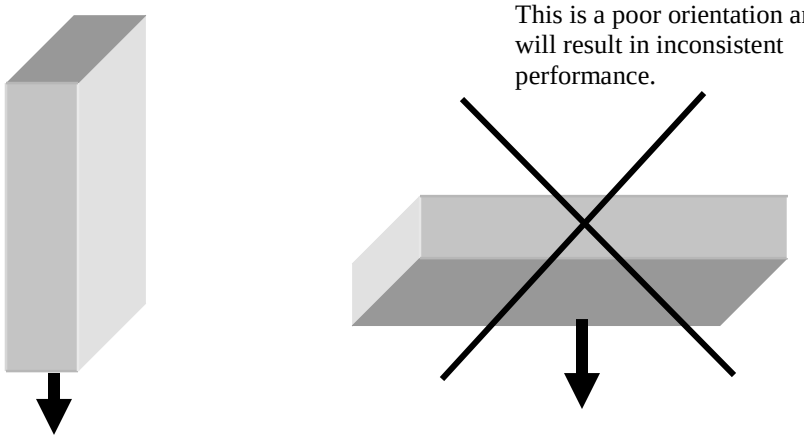
The activated transponder operates using an internal lithium battery. There are two LEDs, one green and one red on the transponders. When the transponder has been activated and is in the on state, the green LED will blink once a second. When the battery is starting to run low the red LED will blink once per second. When the transponder is within the activator's signal range the green LED will flicker rapidly.

**Fig 1 Activated Car Transponder**

Activated transponders may be mounted to the vehicle with zip ties, pouches or a plastic holder.

**Note: Be sure to securely fasten the transponder to the vehicle before use. Unsecured transponders can be hazardous if they fall on the track.**

The best possible orientation of the transponders is shown below in Fig 2. **It is important that the transponder has no metal or carbon fiber between it and the track surface.** Metal and carbon fiber will block the signal emanating from the transponder and the system will not be able to pick up crossing transponders.



This is a poor orientation and will result in inconsistent performance.

The label side should be readable and in upright direction. No metal should be between the transponder and the track surface.

**Fig 2 Orientation**

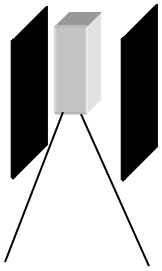
• Label side of the transponder is upright and readable. It does not matter which way the lights face. Those are just indicators of battery life.

**Note: There are other transponders, such as the rechargeable transponder, that use a different orientation. Be careful about mixing the orientations.**

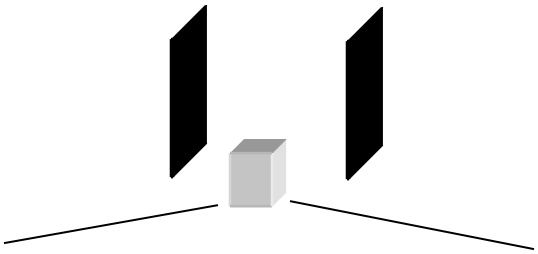
• No metal or carbon fiber between transponder and track. The transponder must have a clear shot to the ground.

**Note: Signals can go through plastic so it is possible to use a piece of plastic as a mounting plate.**

Recessing the transponder can create problems such as shown below.



**Poor location**: Narrow window for detection. The signal can't be seen well.



**Good location**: No metal to block the signal. The detection window is very wide.

| **Transponder - Rechargeable** | TXACT-CAR Model |
|---|---|
| Dimensions | Approx. 2.85" x 1.83" x .93" (≈7.2 x 4.6 x 2.4cm) |
| Weight | Approx. 2.8 oz (80 grams) |
| Temp Range | -22°F-158°F (-30°C-70°C) |
| On Time | On time 1 hour (2.5 hours for enduro version) |
| Battery Life | 300 hours/battery |
| Operational Indicator | LED |
| Low Battery Indicator | LED |
| Humidity | 90% Relative |

**TXLI RMS Rechargeable Transponder FCC Declaration:**

**FEDERAL COMMUNICATIONS COMMISSION RADIO AND TELEVISION INTERFERENCE STATEMENT**

Changes or modifications not expressly approved by ***Westhold Corporation*** could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

**FCC ID: NKBTXACT-007**

# Westhold Corporation General Warranty

Modules and other equipment ("Goods") purchased from Westhold Corporation are warranted against defects in materials and workmanship under normal use for a period of three years from the date of purchase on new equipment only. In the event of product failure due to defects in materials or workmanship, the customer may return the defective product to Westhold Corporation for repair or replacement. The customer is responsible for all shipping charges associated with shipping the Goods back to Westhold Corporation. Westhold Corporation pays shipping charges associated with the return of Goods back to the customer. As Westhold Corporation will not be responsible for damages incurred during any incoming shipment, it is recommended that the customer insure their shipment through their carrier.

Westhold Corporation shall, at its sole option, repair or replace the Goods. Repair or replacement of Goods is Westhold Corporation's sole obligation and the customer's exclusive remedy for all claims of defects. If that remedy is adjudicated insufficient, Westhold Corporation shall refund the customer's paid price for the Goods and have no other liability to the customer.

Westhold Corporation's software, if included with Goods, is sold as is, and this warranty is inapplicable to such software.

This warranty does not cover and Westhold Corporation will not be liable for, any damage or failure caused by misuse, abuse, acts of God, accidents, electrical irregularity, or other causes beyond Westhold Corporation's control, or claim by other than the original purchaser. This warranty is void if Westhold Corporation, in its sole discretion, determines that there has been any:

1. Tampering, signs of tampering, alteration, modification, or other indications or abuse.
2. Application of power outside of the voltage level and polarity specified in the data sheet or user's manual.
3. Repair or attempt to repair by anyone other than a Westhold Corporation authorized technician.

This is our entire warranty and is given in lieu of all other possible warranties, either express or implied, including warranties of merchantability and of fitness for a particular purpose. By accepting delivery of the Goods, Purchaser/User waives all other possible warranties, except those specifically given.

**IN NO EVENT SHALL WESTHOLD CORPORATION BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES ARISING OUT OF OR RELATING IN ANY WAY TO ANY DEFECT IN OR FAILURE OF OR INABILITY TO USE THE GOODS, INCLUDING BUT NOT LIMITED TO, CLAIMS BASED UPON LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS, REVENUE OR SAVINGS, LOST GOODWILL, ENVIRONMENTAL DAMAGE, INCREASED EXPENSES OF OPERATION, COST OF REPLACEMENT GOODS, OR CLAIMS OF THE CUSTOMER OR CUSTOMER'S CUSTOMERS, WHETHER OR NOT BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE. WESTHOLD CORPORATION's MAXIMUM LIABILITY UNDER THIS WARRANTY SHALL NOT EXCEED THE PAID PRICE FOR THE GOODS UPON WHICH SUCH LIABILITY IS BASED AND ALL SUCH LIABILITY SHALL TERMINATE NO LATER THAN ONE YEAR FROM THE DATE OF DELIVERY OF THE GOODS.**

*Note: Westhold Corporation's Goods are sold for resale or for commercial purposes, and are thus not covered under the Magnuson-Moss Warranty Act.*